

## FIG. 2

SYSTEMS DATABASE 200 SYSTEM A **PATCHES INSTALLED** PATCH\_5 PATCH 8 FILESET FS1 FILE A FILE B \* \* \* FILE F FILESET FS2 FILE J FILE K \* \* \* FILE P SYSTEM B

## FIG. 3

```
PATCHES DATABASE

* * *

PATCH_5

FILESET FS1 (FILE A)

PATCH_8

FILESET FS2 (FILE K)

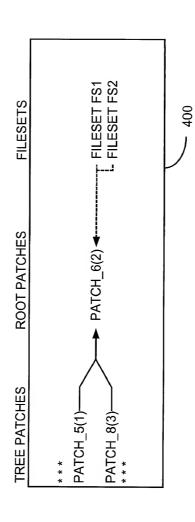
PATCH_6

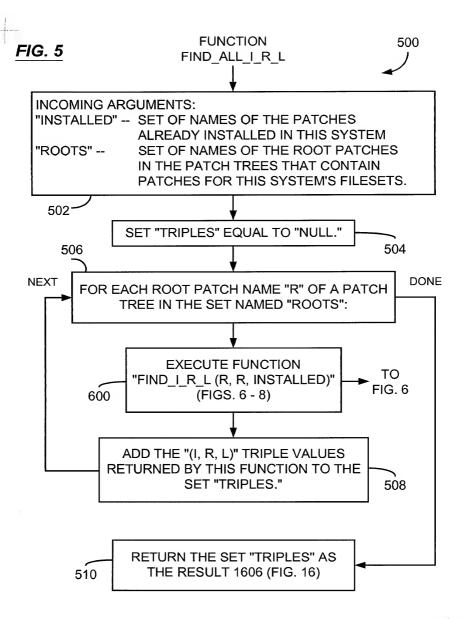
FILESET FS1 (FILE A, FILE F)

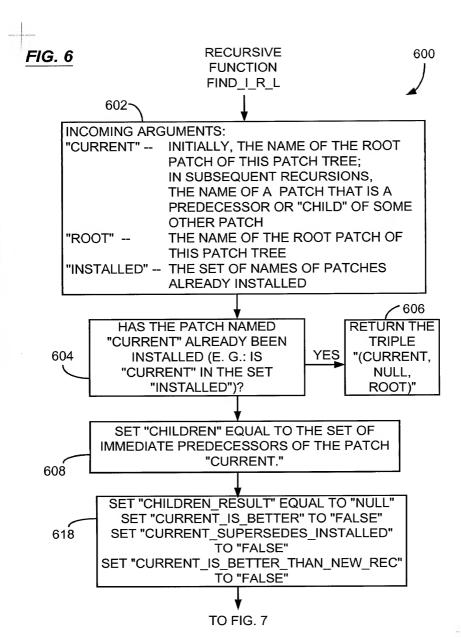
FILESET FS2 (FILE K, FILE P)
```

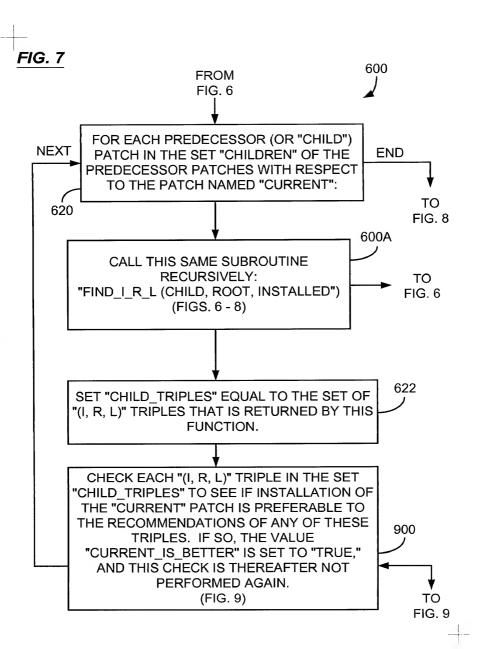
FIG. 4

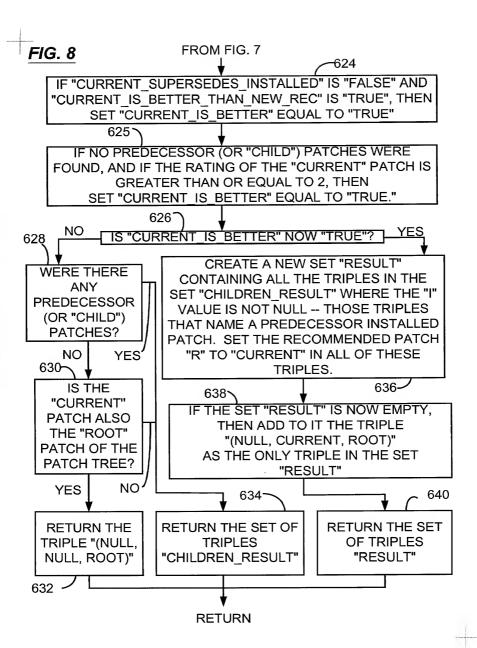
PATCH TREE DATABASE

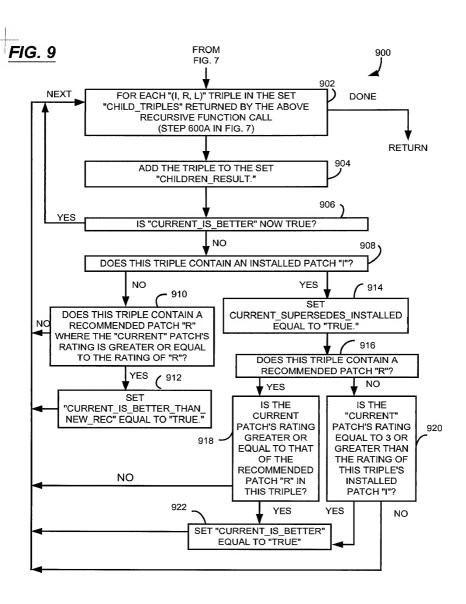


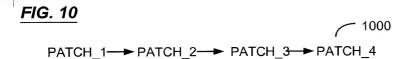






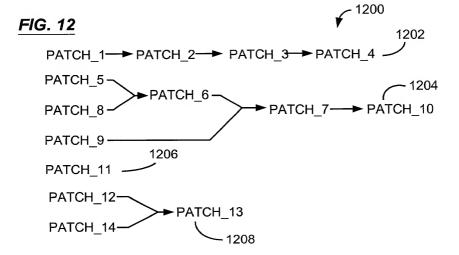




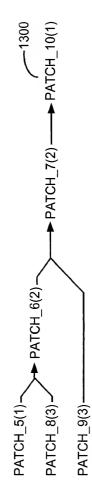


## FIG. 11



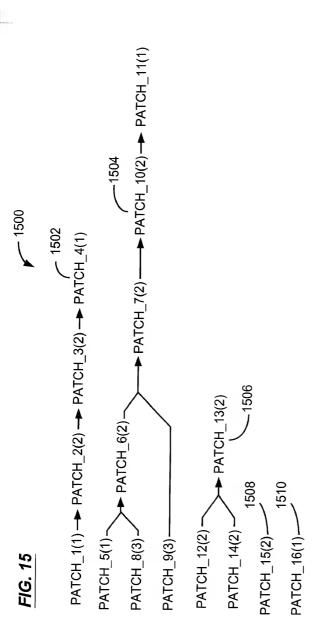












## FIG. 16

```
{ PATCH_4, PATCH_11, PATCH_13, PATCH_15, PATCH_16 } →
                                                                                     1606
                                 ,1614
                                                                                                                       7 1608
                                                                                    RESULT OF FUNCTION "FIND_ALL_I_R_L" EQUALS:
                                                                                                                       (PATCH_1, PATCH_3, PATCH_4), / '
(PATCH_5, PATCH_10, PATCH_11), / '
(PATCH_9, PATCH_10, PATCH_11), / (PATCH_14, NULL, PATCH_13), / '
- (NULL, PATCH_15, PATCH_15), / (NULL, NULL, PATCH_16), }
                                  INSTALLED =
ROOTS =
                                                                                                                                                                                 1616
                                                                                                                                                                                                                                    1618
                                                                                                                                                     1612
```